

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/055,245
Filing Date	January 22, 2002
First Named Inventor	Mitchell W. MUTZ et al.
Art Unit	2861
Examiner Name	Unassigned
Attorney Docket Number	7610-0001.22

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
Y6	DH	2002/0037359	3/28/02	Mutz et al.			
	DI	2002/0061258	5/23/02	Mutz et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
Y6	DJ	EP 0913507 A1	5/6/99	Europe			
	DK	WO 00/78445 A1	12/28/00	PCT			

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Examiner Signature	<i>Yelene Hale</i>	Date Considered	11/24/03
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JUN 28 2002

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Sheet	1	of	3
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
YE	AA	Serial No. 09/727,392	Filed 11/29/00	Mutz et al.			
	AB	4,308,547	12/29/81	Lovelady et al.			
	AC	4,697,195	9/29/87	Quate et al.			
	AD	4,719,476	1/12/88	Elrod et al.			
	AE	4,751,529	6/14/88	Elrod et al.			
	AF	4,751,530	6/14/88	Elrod et al.			
	AG	4,751,534	6/14/88	Elrod et al.			
	AH	4,797,693	1/10/89	Quate			
	AI	4,801,953	1/31/89	Quate			
	AJ	4,959,674	9/25/90	Khri-Yakub et al.			
	AK	5,041,849	8/20/91	Quate et al.			
	AL	5,087,931	2/11/92	Rawson			
	AM	5,122,818	6/16/92	Elrod et al.			
	AN	5,216,451	6/1/93	Rawson et al.			
	AO	5,229,016	7/20/93	Hayes et al.			
	AP	5,229,793	7/20/93	Hadimioglu et al.			
	AQ	5,231,426	7/27/93	Sweet			
	AR	5,339,101	8/16/94	Rawson et al.			
	AS	5,377,902	1/3/95	Hayes			
	AT	5,392,064	2/21/95	Hadimioglu et al.			
	AU	5,415,679	5/16/95	Wallace			
	AV	5,436,327	7/25/95	Southern et al.			
	AW	5,498,444	3/12/96	Hayes			
	AX	5,520,715	5/28/96	Oeftering			
	AY	5,556,752	9/17/96	Lockhart et al.			
	AZ	5,591,490	1/7/97	Quate			
	BA	5,608,433	3/4/97	Quate			
	BB	5,629,724	5/13/97	Elrod et al.			
	BC	5,631,678	5/20/97	Hadimioglu et al.			
	BD	5,643,353	7/1/97	Wallace et al.			
	BE	5,658,802	8/19/97	Hayes et al.			
	BF	5,669,971	9/23/97	Bok et al.			
	BG	5,722,479	3/3/98	Oeftering			
	BH	5,744,305	4/28/98	Fodor et al.			
	BI	5,798,779	8/25/98	Nakayasu et al.			
	BJ	5,808,636	9/15/98	Stearns			
	BK	5,959,297	9/28/99	Weinberg et al.			
	BL	5,985,356	11/16/99	Schultz et al.			
	BM	6,004,617	12/21/99	Schultz et al.			
	BN	6,010,316	1/4/00	Haller et al.			
	BO	6,015,880	1/18/00	Baldeschwieler et al.			
	BP	6,028,189	2/22/00	Blanchard			
	BQ	6,029,896	2/29/00	Self et al.			

Examiner Signature	<i>Yellu Hal</i>	Date Considered	11/24/03
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U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
Y6	BR	6,030,917	2/29/00	Weinberg et al.			
	BS	6,034,775	3/7/00	McFarland et al.			
	BT	6,045,671	4/4/00	Wu et al.			
	BU	6,087,181	7/11/00	Cong			
	BV	6,187,164	2/13/01	Warren et al.			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
	BW	WO 00/60345	10/12/00	PCT			

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T
Y6	BX	Allegra et al. (1972), "Attenuation of Sound in Suspensions and Emulsions: Theory and Experiments," <i>The Journal of the Acoustical Society of America</i> 51(5):1545-1564.					
	BY	Calzolari et al. (2000), "NMR Structures of Three Single-Residue Variants of the Human Prion Protein," <i>Proc. Natl. Acad. Sci. USA</i> 97(15):8340-8345.					
	BZ	Chayen et al. (1990), "An Automated System for Micro-Batch Protein Crystallization and Screening," <i>J. Appl. Cryst.</i> 23:297-302.					
	CA	Chayen (1997), "A Novel Technique to Control the Rate of Vapour Diffusion, Giving Larger Protein Crystals," <i>J. Appl. Cryst.</i> 30:198-202.					
	CB	Creighton (1993), <i>Proteins</i> , 2 nd Edition, W.H. Freeman, pp. 171-260.					
	CC	D'Arcy et al. (1996), "A Novel Approach to Crystallising Proteins Under Oil," <i>Journal of Crystal Growth</i> 168:175-180.					
	CD	Elrod et al. (1989), "Nozzleless Droplet Formation with Focused Acoustic Beams," <i>J. Appl. Phys.</i> 65(9):3441-3447.					
	CE	Hadimioglu et al. (1992), "Acoustic Ink Printing," <i>Ultrasonics Symposium</i> , pp. 929-935.					
	CF	Jackson et al. (1999), "Multiple Folding Pathways for Heterologously Expressed Human Prion Protein," <i>Biochimica et Biophysica Acta</i> 1431:1-13.					
	CG	Jordan et al. (1985), "Systematic Variation in DNA Length Yields Highly Ordered Repressor-Operator Cocrytals," <i>Science</i> 230:1383-1385.					
	CH	Kendrew et al. (1956), "The Crystal Structure of Myoglobin III. Sperm-Whale Myoglobin," <i>Proc. R. Soc. Lond. A</i> 238:305-324.					
	CI	Klug et al. (1995), "Zinc Fingers" <i>The FASEB Journal</i> 9:597-604.					
	CJ	Lorber et al. (1996), "Containerless Protein Crystallization in Floating Drops: Application to Crystal Growth Monitoring Under Reduced Nucleation Conditions," <i>Journal of Crystal Growth</i> 168:204-215.					
	CK	MacBeath et al. (2000), "Printing Proteins as Microarrays for High-Throughput Function Determination," <i>Science</i> 289:1760-1763.					
	CL	McRee (1999), <i>Practical Protein Crystallography</i> , 2 nd Edition, Academic Press, pp. 1-17 and 145-161.					
	CM	Michel et al. (1980), "Three-Dimensional Crystals of Membrane Proteins: Bacteriorhodopsin," <i>Proc. Natl. Acad. Sci. USA</i> 77(3):1283-1285.					
	CN	Moates et al. (1996), "Infrared Thermographic Screening of Combinatorial Libraries of Heterogeneous Catalysts," <i>Ind. Eng. Chem. Res.</i> 35:4801-4803.					
	CO	Stevens (2000), "High-Throughput Protein Crystallization," <i>Curr. Opin. Struct. Biol.</i> 10:558-563.					

Examiner Signature	<i>Yelene Yak</i>	Date Considered	11/24/03
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OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
YLG	CP	Stura et al. (1994), "Reverse Screening," <i>Acta Crystallogr.</i> D50:448-455.		
YLG	CQ	Theriault et al. (1999), "Application of Ink-jet Printing Technology to the Manufacture of Molecular Arrays," <i>DNA Microarrays, A Practical Approach</i> , Ed. M. Schena, Chapter 6 (Oxford University Press).		
↓	CR	Zahn et al. (2000), "NMR Solution Structure of the Human Prion Protein," <i>Proc. Natl. Acad. Sci. USA</i> 97(1):145-150.		

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
YLG	CS	Serial No. 09/669,194		Ellson et al.			9/25/00
YLG	CT	Serial No. 09/669,267		Ellson			9/25/00
↓	CU	Serial No. 09/669,996		Ellson et al.			9/25/00
↓	CV	Serial No. 09/669,997		Mutz et al.			9/25/00
↓	CW	2002/0037579	3/28/02	Ellson et al.			9/25/01
↓	CX	5,143,854	9/1/92	Pirung et al.			
↓	CY	5,405,783	4/11/95	Pirung et al.			
↓	CZ	5,445,934	8/29/95	Fodor et al.			
↓	DA	5,700,637	12/23/97	Southern			
↓	DB	6,007,183	12/28/99	Horine			
↓	DC	6,054,270	4/25/00	Southern			

FOREIGN PATENT DOCUMENT							
Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
YLG	DD	WO 90/15070	12/13/90	PCT			

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
YLG	DE	Amemiya et al. (1997), <i>Proceedings of the 1997 IS&T's NIP 13: 1997 International Conference on Digital Printing Technologies</i> , pp. 698-702.		
↓	DF	IUPAC-IUB Commission on Biochemical Nomenclature (CBN) (1970), "Abbreviations and Symbols for Nucleic Acids, Polynucleotides and Their Constituents," <i>Biochemistry</i> 9(20):4022-4025.		
↓	DG	Steel et al. (2000), "The Flow-Thru Chip™: A Three-Dimensional Biochip Platform," <i>Microarray Biochip Technology</i> , Chapter 5, pp. 87-117, BioTechniques Books, Natick, MA.		

Examiner Signature	<i>Yeller</i> <i>Gala</i>	Date Considered	4/24/03
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